

**Aplikasi Pupuk Daun dan Vitamin B1 Terhadap Pertumbuhan Anggrek Bulan (*Phalaenopsis* sp.) Pada Tahap Aklimatisasi.** *The Application of Foliar Fertilizer and Vitamin B1 on the Growth of Orchid (*Phalaenopsis*) Acclimatization Stage.* Supervised by Netty Ermawati, SP., Ph.D.

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### **ABSTRACT**

*One of the many orchids that are popular with the public is the phalaenopsis. In vitro development approach serves as a remedy for the challenges associated with standard vegetative orchid production. During acclimation, fertilizer and vitamin B1 applications can improve the quality and growth of orchid seedlings. The study was carried out in the State Polytechnic of Jember's Seed Technology Greenhouse from September to December 2022. Two factors were utilized in a factorial, entirely random, research design. Each factor has three levels that are duplicated three times. Growmore 1 g/l (G1), Growmore 1,5 g/l (G2), and Growmore 2 g/l are the first three factors (G3). The second component is vitamin B1 (1 ml/l), B1 (15 ml/l), and B1 (2 ml/l) (B3). The data will be analyzed by the F test (ANOVA) and continued with Duncan Multiple Range Test (DMRT) with an error 5%. The result showed that the application of foliar fertilizer has a very significant effect on the parameters of plant height, number of leaves, leaf width, and leaf length. Meanwhile the application of vitamin B1 has a very significant effect on parameters leaf width, has a significant effect on parameters number of leaves and plant height. The interaction between foliar fertilizer and vitamin B1 has a significant effect on the parameter of plant height and leaf width. The interaction of foliar fertilizer 2 g/l and vitamin B1 2 ml/l showed the highest average of the plant height and leaf width is 3,33 cm and 1,37 cm.*

**Key words :** *Orchid Phalaenopsis, Foliar Fertilizer, Vitamin B1*